

Title (en)  
Bicycle multi-gear cassette

Title (de)  
Fahrrad-Mehrfachschaltungskassette

Title (fr)  
Cassette multi-engrenages de bicyclettes

Publication  
**EP 1972541 A2 20080924 (EN)**

Application  
**EP 08005163 A 20080319**

Priority  
• US 68946607 A 20070321  
• US 69076107 A 20070323  
• US 85947907 A 20070921

Abstract (en)  
A bicycle multi-gear cassette (80) mountable to a wheel hub that generally includes a truncated conical shell (12) and a plurality of toothed sprockets (14) having different numbers of teeth (48). The shell (12) includes a plurality of coaxial annular cylinders (16) of variable diameter extending along an axis (18) of the shell (12) and a plurality of coaxial annular discs (20) of variable diameter extending radially of the axis (18). The cylinders (16) and discs (20) are alternately arranged in a stepped sequence. The toothed sprockets (14) are disposed on the shell (12) and extend radially of the shell axis (18). At least one of the toothed sprockets (88) includes a recess (84) on a side (86) facing an adjacent toothed sprocket (88) having a smaller number of teeth. The recess includes a first region (90) having a first depth and a second region (92) having a second depth. The first depth (90) is greater than the second depth (92). The shell and the plurality of toothed sprockets embody a single piece.

IPC 8 full level  
**B62M 9/10** (2006.01)

CPC (source: EP US)  
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